AMENDMENTS TO THE CLAIMS

No amendments are being made to the claims. The claims are set forth below for the convenience of the Examiner.

1. (Original) A method for collecting a Global Positioning System ("GPS") almanac with a partial almanac collection system ("PACS"), the method comprising:

receiving a request for a GPS almanac download from a call processor; and

receiving the GPS almanac in a piecewise process at the PACS.

2. (Original) The method of claim 1, where the piecewise process includes:

receiving a plurality of sub-sets of the GPS almanac; and

storing the plurality of sub-sets of the GPS almanac into a memory device.

3. (Original) The method of claim 2, where the piecewise process further includes:

determining when the last sub-set of the plurality of sub-sets of the GPS almanac has been received; and

combining all the sub-sets of the plurality of sub-sets of the GPS almanac to create a full GPS almanac.

4. (Original) The method of claim 3, where receiving a plurality of sub-sets of the GPS almanac includes receiving the plurality of sub-sets of the GPS almanac at a GPS module.

5. (Original) A method for collecting a Global Positioning System ("GPS") almanac with a partial almanac collection system ("PACS"), the method comprising:

receiving a request from a call processor to perform a piecewise almanac download with the PACS; and

downloading the almanac in a piecewise process.

6. (Original) The method of claim 5, further including determining whether a full almanac was downloaded.

7. (Original) The method of claim 6, further including responding to the call processor with a status of full almanac.

8. (Original) The method of claim 7, further including receiving an open session request from the call processor.

9. (Original) The method of claim 7, further including receiving a close session request from the call processor.

10. (Original) The method of claim 8, further including determining whether the call processor requested a close session.

11. (Original) The method of claim 6, further including:

responding to the call processor with a status of collected almanac for each call processor request;

receiving from the call processor a periodic request to collect almanac;

downloading a piecewise almanac; and

determining whether a full almanac was downloaded.

12. (Original) The method of claim 11, further including responding to the communication module with a status of full almanac.

13. (Original) The method of claim 12, further including receiving an open session request from the call processor.

14. (Original) The method of claim 13, further including receiving a close session request from the call processor.

15. (Original) The method of claim 5, further including determining whether enough time is available to complete a full almanac download.

16. (Original) The method of claim 15, further including reporting status of full almanac to the call processor.

17. (Original) The method of claim 16, further including receiving an open session request from the call processor.

18. (Original) The method of claim 17, further including receiving a close session request from the call processor.

19. (Original) The method of claim 17, further including storing almanac to a memory device.

20. (Original) The method of claim 19, further including sending acknowledgment to the call processor.

21. (Original) The method of claim 15, further including determining whether the call processor performed a session close before the full almanac was downloaded.

22. (Original) The method of claim 21, further including responding to the call processor with a status of partial almanac.

23. (Original) The method of claim 21, further including receiving an open session request from the call processor.

24. (Original) The method of claim 23, further including receiving a close session request from the call processor.

25. (Original) The method of claim 23, further including storing almanac to a memory device.

26. (Original) The method of claim 25, further including sending acknowledgment to the call processor.

27. (Original) The method of claim 26, further including determining whether the signal conditions changed in a way that caused PACS to collect only a partial almanac.

28. (Original) The method of claim 27, further including responding to the call processor with a status of partial almanac.

29. (Original) The method of claim 28, further including receiving an open session request from the call processor.

30. (Original) The method of claim 29, further including receiving a close session request from the call processor.

31. (Original) The method of claim 30, further including storing the almanac to a memory device.

32. (Original) The method of claim 31, further including sending an acknowledgment to call processor.

33. (Original) The method of claim 27, further including determining whether PACS can collect the entire almanac with a certain time.

34. (Original) The method of claim 33, further including responding to call processor that almanac cannot be collected.

35. (Original) The method of claim 34, further including receiving an open session request from the call processor.

36. (Original) The method of claim 35, further including receiving a close session request from the call processor.

37. (Original) The method of claim 35, further including storing almanac to a memory device.

38. (Original) The method of claim 37, further including sending an acknowledgment to the call processor.

39-45. (Canceled)

46. (Original) A Global Positioning System ("GPS") almanac with a partial almanac collection system ("PACS") for collecting a Global Positioning System ("GPS") almanac, the PACS comprising:

means for receiving a request for a GPS almanac download from a call processor; and

means for receiving the GPS almanac in a piecewise process at the PACS.

47. (Original) The PACS of claim 46, where the means for receiving the GPS almanac in a piecewise process includes:

means for receiving a plurality of sub-sets of the GPS almanac; and

means for storing the plurality of sub-sets of the GPS almanac into a memory device.

48. (Original) The PACS of claim 47, where the means for receiving the GPS almanac in a piecewise process further includes:

means for determining when the last sub-set of the plurality of sub-sets of the GPS almanac has been received; and

means for combining all the sub-sets of the plurality of sub-sets of the GPS almanac to create a full GPS almanac.

49. (Original) The PACS of claim 48, where the means for receiving a plurality of sub-sets of the GPS almanac includes means for receiving the plurality of sub-sets of the GPS almanac at a GPS module.

50. (Original) A partial almanac collection system ("PACS") for collecting a Global Positioning System ("GPS") almanac, the PACS comprising:

means for receiving a request from a call processor to perform a piecewise almanac download with the PACS; and

means for downloading the almanac in a piecewise process.

51. (Original) The PACS of claim 50, further including means for determining whether a full almanac was downloaded.

52. (Original) The PACS of claim 51, further including means for responding to the call processor with a status of full almanac.

53. (Original) The PACS of claim 51, further including:

means for responding to the call processor with a status of collected almanac for each call processor request;

means for receiving from the call processor a periodic request to collect almanac;

means for downloading a piecewise almanac; and

means for determining whether a full almanac was downloaded.

54. (Original) The PACS of claim 53, further including means for responding to the communication module with a status of full almanac.

55. (Original) The PACS of claim 53, further including means for determining whether enough time is available to complete a full almanac download.

56. (Original) The PACS of claim 55, further including means for reporting status of full almanac to the call processor.

57. (Original) The PACS of claim 56, further including means for receiving an open session request from the call processor.

58. (Original) The PACS of claim 56, further including means for receiving a close session request from the call processor.

59. (Original) The PACS of claim 56, further including means for storing almanac to a memory device.

60. (Original) The PACS of claim 59, further including means for sending acknowledgment to the call processor.

61. (Original) The PACS of claim 55, further including means for determining whether the call processor performed a session close before the full almanac was downloaded.

62. (Original) The PACS of claim 61, further including means for responding to the call processor with a status of partial almanac.

63. (Original) The PACS of claim 61, further including means for receiving an open session request from the call processor.

64. (Original) The PACS of claim 63, further including means for receiving a close session request from the call processor.

65. (Original) The PACS of claim 63, further including means for storing almanac to a memory device.

66. (Original) The PACS of claim 65, further including means for sending acknowledgment to the call processor.

67. (Original) The PACS of claim 66, further including means for determining whether the signal conditions changed in a way that caused PACS to collect only a partial almanac.

68-74. (Canceled)

75. (Original) A signal-bearing medium having software for collecting a Global Positioning System ("GPS") almanac with a partial almanac collection system ("PACS"), the signal-bearing medium comprising:

logic configured for receiving a request for a GPS almanac download from a call processor; and

logic configured for receiving the GPS almanac in a piecewise process at the PACS.

76. (Original) The signal-bearing medium of claim 75, where the logic configured for receiving the GPS almanac in a piecewise process at the PACS includes:

logic configured for receiving a plurality of sub-sets of the GPS almanac; and

logic configured for storing the plurality of sub-sets of the GPS almanac into a memory device.

77. (Original) The signal-bearing medium of claim 76, where the logic configured for receiving the GPS almanac in a piecewise process at the PACS includes:

logic configured for determining when the last sub-set of the plurality of sub-sets of the GPS almanac has been received; and

logic configured for combining all the sub-sets of the plurality of sub-sets of the GPS almanac to create a full GPS almanac.

78. (Original) The signal-bearing medium of claim 77, where the logic configured for receiving a plurality of sub-sets of the GPS almanac includes logic configured for receiving the plurality of sub-sets of the GPS almanac at a GPS module.

79. (Original) A signal-bearing medium having software for collecting a Global Positioning System ("GPS") almanac with a partial almanac collection system ("PACS"), the signal-bearing medium comprising:

logic configured for receiving a request from a call processor to perform a piecewise almanac download with the PACS; and

logic configured for downloading the almanac in a piecewise process.

80. (Original) The signal-bearing medium of claim 79, further including logic configured for determining whether a full almanac was downloaded.

81. (Original) The signal-bearing medium of claim 80, further including logic configured for responding to the call processor with a status of full almanac.

82. (Original) The signal-bearing medium of claim 81, further including logic configured for receiving an open session request from the call processor.

83. (Original) The signal-bearing medium of claim 81, further including logic configured for receiving a close session request from the call processor.

84. (Original) The signal-bearing medium of claim 82, further including logic configured for determining whether the call processor requested a close session.

85. (Original) The signal-bearing medium of claim 80, further including:

logic configured for responding to the call processor with a status of collected almanac for each call processor request;

logic configured for receiving from the call processor a periodic request to collect almanac;

logic configured for downloading a piecewise almanac; and

logic configured for determining whether a full almanac was downloaded.

86. (Original) The signal-bearing medium of claim 85, further including logic configured for responding to the communication module with a status of full almanac.

87. (Original) The signal-bearing medium of claim 86, further including logic configured for receiving an open session request from the call processor.

88. (Original) The signal-bearing medium of claim 87, further including logic configured for receiving a close session request from the call processor.

89. (Original) The signal-bearing medium of claim 79, further including logic configured for determining whether enough time is available to complete a full almanac download.

90. (Original) The signal-bearing medium of claim 89, further including logic configured for reporting status of full almanac to the call processor.

91. (Original) The signal-bearing medium of claim 90, further including logic configured for receiving an open session request from the call processor.

92. (Original) The signal-bearing medium of claim 91, further including logic configured for receiving a close session request from the call processor.

93. (Original) The signal-bearing medium of claim 91, further including logic configured for storing almanac to a memory device.

94. (Original) The signal-bearing medium of claim 93, further including logic configured for sending acknowledgment to the call processor.

95. (Original) The signal-bearing medium of claim 89, further including logic configured for determining whether the call processor performed a session close before the full almanac was downloaded.

96. (Original) The signal-bearing medium of claim 95, further including logic configured for responding to the call processor with a status of partial almanac.

97. (Original) The signal-bearing medium of claim 95, further including logic configured for receiving an open session request from the call processor.

98. (Original) The signal-bearing medium of claim 97, further including logic configured for receiving a close session request from the call processor.

99. (Original) The signal-bearing medium of claim 97, further including logic configured for storing almanac to a memory device.

100. (Original) The signal-bearing medium of claim 99, further including logic configured for sending acknowledgment to the call processor.

101. (Original) The signal-bearing medium of claim 100, further including logic configured for determining whether the signal conditions changed in a way that caused PACS to collect only a partial almanac.

102. (Original) The signal-bearing medium of claim 101, further including logic configured for responding to the call processor with a status of partial almanac.

103. (Original) The signal-bearing medium of claim 102, further including logic configured for receiving an open session request from the call processor.

104. (Original) The signal-bearing medium of claim 103, further including logic configured for receiving a close session request from the call processor.

105. (Original) The signal-bearing medium of claim 104, further including logic configured for storing the almanac to a memory device.

106. (Original) The signal-bearing medium of claim 105, further including logic configured for sending an acknowledgment to call processor.

107. (Original) The signal-bearing medium of claim 101, further including logic configured for determining whether PACS can collect the entire almanac with a certain time.

108. (Original) The signal-bearing medium of claim 107, further including logic configured for responding to call processor that almanac cannot be collected.

109. (Original) The signal-bearing medium of claim 108, further including logic configured for receiving an open session request from the call processor.

110. (Original) The signal-bearing medium of claim 109, further including logic configured for receiving a close session request from the call processor.

111. (Original) The signal-bearing medium of claim 109, further including logic configured for storing almanac to a memory device.

112. (Original) The signal-bearing medium of claim 111, further including logic configured for sending an acknowledgment to the call processor.

REMARKS

STATUS SUMMARY

Currently, claims 1-38, 46-67 and 75-112 are pending in the present application. Applicant previously canceled claims 39-45 and 68-74 without prejudice as being directed to

non-elected subject matter. Claims 1-38, 46-67 and 75-112 are presently rejected. In the present Amendment, no amendments have been made to the claims. Applicant has made minor non-substantive amendments to certain of the paragraphs of the specification.

CLAIM REJECTIONS - - 35 U.S.C. § 102

Claims 1-38, 46-67 and 75-112 are rejected under 35 U.S.C. § 102(e) as being anticipated by either U.S. Pat. App. Pub. No. US 2004/0198449 to Forrester et al. ("Forrester et al.") or U.S. Pat. App. Pub. No. US 2002/0111171 to Boesch et al. ("Boesch et al."). Applicant respectfully traverses this rejection for the reasons set forth below.

Claim 1 recites "receiving the GPS almanac in a piecewise process at the PACS." Applicant's specification describes in detail examples of the piecewise process and the PACS.

Forrester et al. fails to teach the subject matter recited in claim 1. Forrester et al. merely teaches a base station controller that is part of a network. The base station controller includes its own GPS receiver and is configured to transmit position assist information to a wireless device. *See, e.g.,* Forrester et al., ¶¶ 29 and 36-38. Forrester et al. teaches that GPS assist information can include almanac and ephemeris data. Forrester et al. teaches that a network can be employed to provide this GPS assist information to the wireless device, because such a process may be faster than the wireless device obtaining the information on its own. *See* Forrester et al., ¶¶ 48-52. Therefore, Applicant respectfully submits that the foregoing teachings of Forrester et al. do not anticipate the invention recited in claim 1 in any manner.

Boesch et al. similarly fails to teach the subject matter recited in claim 1. Boesch et al. merely teaches that a wireless device may receive updated GPS data from a network in addition to its own GPS processing. *See* Boesch et al., ¶¶ 19-22. Like Forrester et al., Boesch et al. teaches that receiving full almanac data via the network may be faster than the wireless device

itself receiving the data directly from the GPS satellites. *See* Boesch et al., ¶ 26. Therefore, Applicant respectfully submits that the foregoing teachings of Boesch et al. do not anticipate the invention recited in claim 1 in any manner.

With regard to both Forrester et al. and Boesch et al., Applicant notes that the broad concept of providing updated position assistance data to a wireless device, which may include replacing aged almanac or ephemeris data with updated data, is different from the novel concepts of a partial almanac collection system ("PACS") and working with piecewise almanac data that are disclosed and claimed in the present application.

Claims 2-4 depend directly or indirectly from claim 1, and therefore are patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 1.

Independent claim 5 recites "receiving a request from a call processor to perform a piecewise almanac download with the PACS" and "downloading the almanac in a piecewise process." Claim 5 is therefore patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 1.

Claims 6-38 depend directly or indirectly from claim 5, and therefore are patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 5.

Independent claim 46 recites "means for receiving the GPS almanac in a piecewise process at the PACS." Claim 46 is therefore patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 1.

Claims 47-49 depend directly or indirectly from claim 46, and therefore are patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 46.

Independent claim 50 recites "means for receiving a request from a call processor to perform a piecewise almanac download with the PACS" and "means for downloading the almanac in a piecewise process." Claim 50 is therefore patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 1.

Claims 51-67 depend directly or indirectly from claim 50, and therefore are patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 50.

Independent claim 75 recites "logic configured for receiving the GPS almanac in a piecewise process at the PACS." Claim 75 is therefore patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 1.

Claims 76-78 depend directly or indirectly from claim 75, and therefore are patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 75.

Independent claim 79 recites "logic configured for receiving a request from a call processor to perform a piecewise almanac download with the PACS" and "logic configured for downloading the almanac in a piecewise process." Claim 79 is therefore patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 1.

Claims 80-112 depend directly or indirectly from claim 79, and therefore are patentable over Forrester et al. and Boesch et al. for at least the same reasons as set forth above regarding claim 79.

In view of the foregoing, Applicant respectfully submits that claims 1-38, 46-67 and 75-112 are patentable under 35 U.S.C. § 102(e) over Forrester et al. and Boesch et al., and therefore respectfully requests that these rejections be withdrawn.